



ALA-1/4, Multi Channel Fluorometer Software Manual

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Riga, Latvia, 2012
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Version: 2

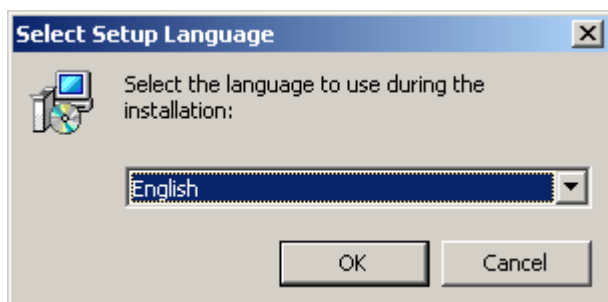
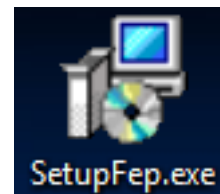
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Software Installation

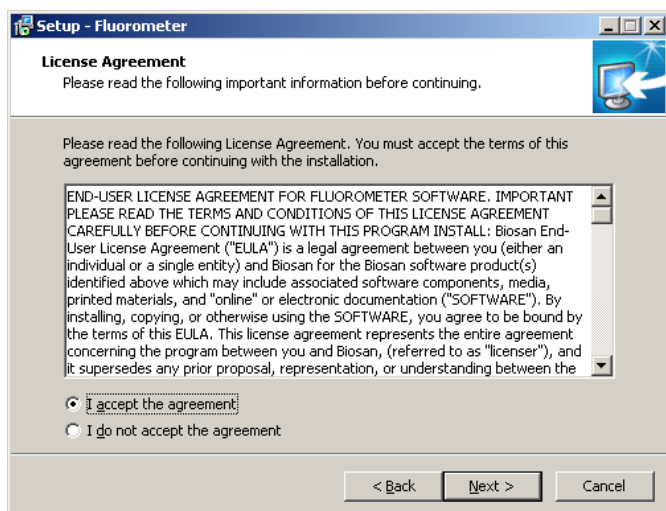
1. Turn on ALA-1/4 and connect it to your computer
2. Open SetupFep.exe
3. Chose the setup language



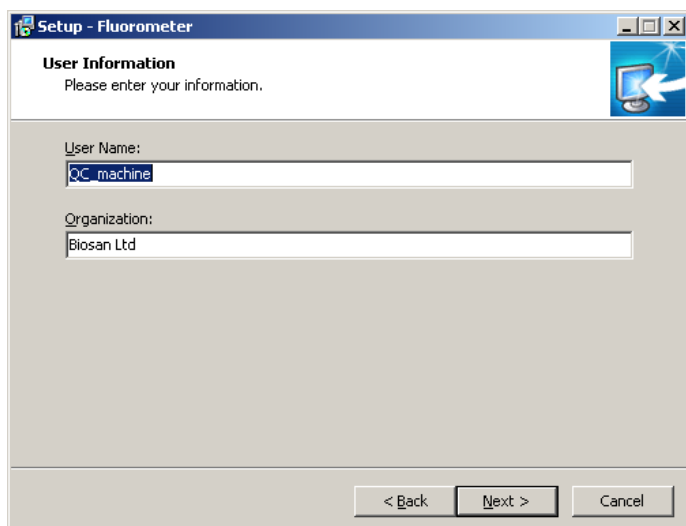
4. In the Setup Wizard click **Next**, to start installation



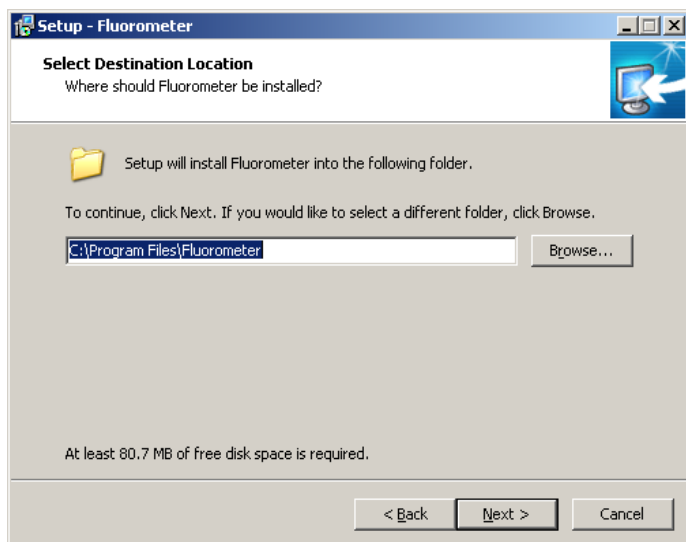
5. Read and accept the **License Agreement**



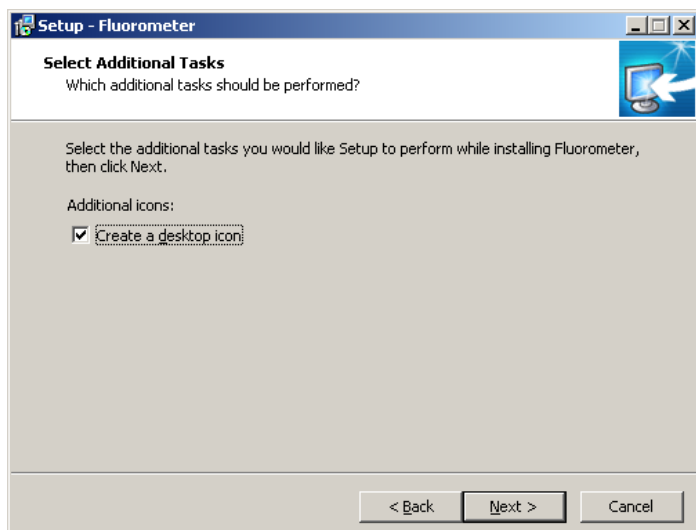
6. Enter the **Username** and **Organization** name



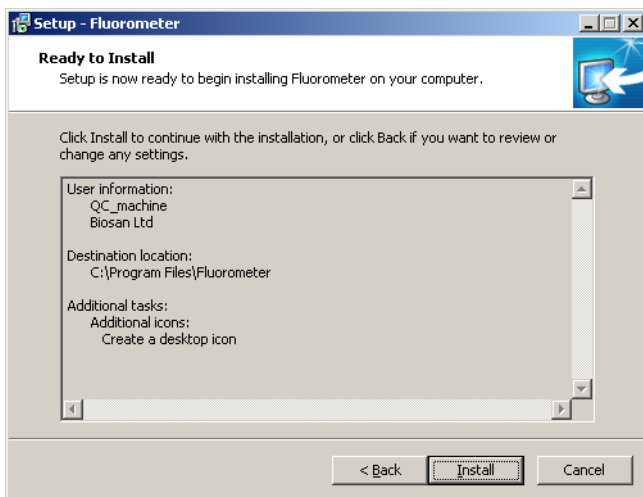
7. It is recommended to use default destination folder and click **Next** to see next window



8. Actual window offers to create a desktop icon. It is possible to refuse creating by removing tick **"Create a desktop icon"**



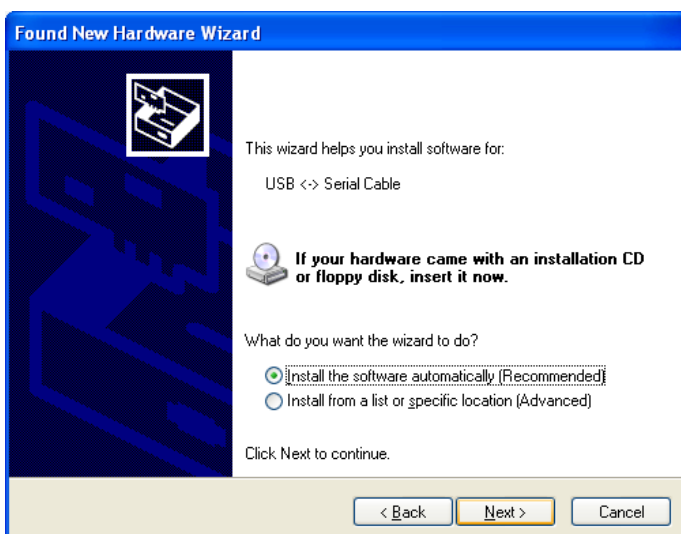
9. Please, check settings and click **Install**. If it is necessary to change some previous settings, click **Back**



10. After device is connected to the PC and switched on: Found New Hardware Wizard window will appear. Chose **“Yes, this time only”** and press **Next** to proceed

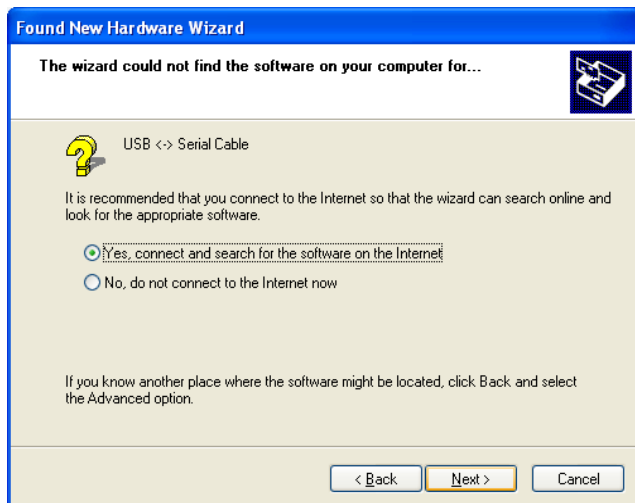


11. Then choose **“Install the software automatically”** and press **Next** to proceed.

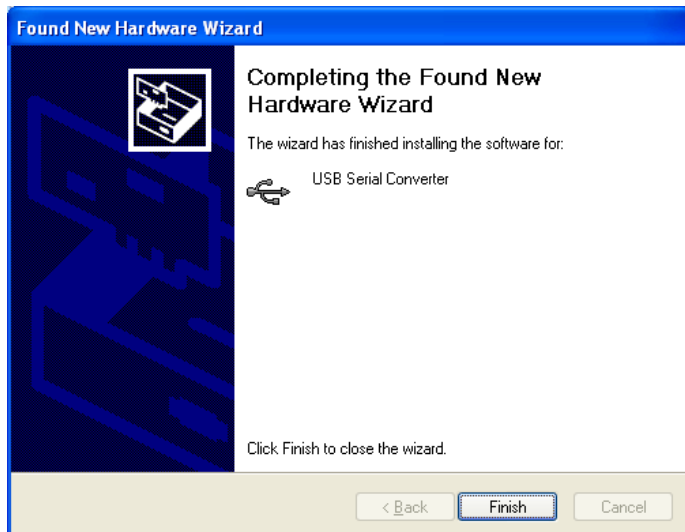


If you do not have internet connection choose to install from specific location. Choose the folder where you have installed the software.

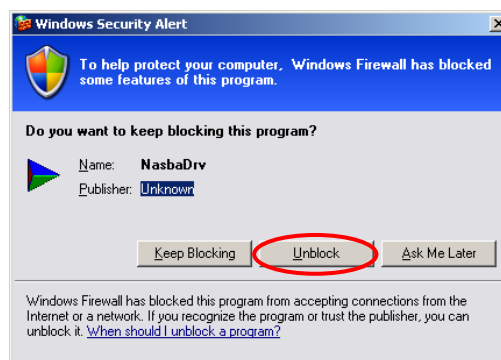
12. Then choose **“Yes, connect and search for software on the Internet”** and click **Next**, to start installation



13. Upon finishing driver installation press **Finish**




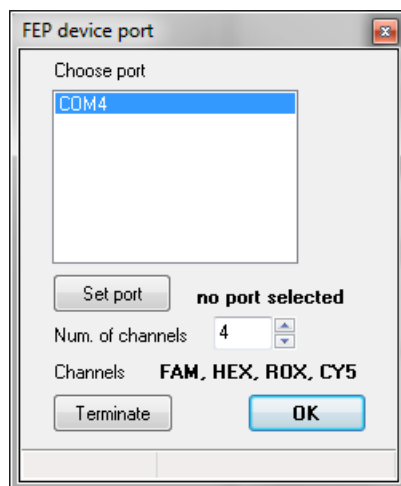
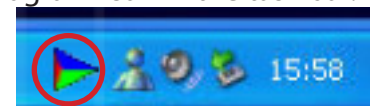
14. Run the program for the first time: If Windows firewall blocks Fluorometer and NASBA DRV programs click **unblock**



15. If there are any problems during installation, then contact your system administrator

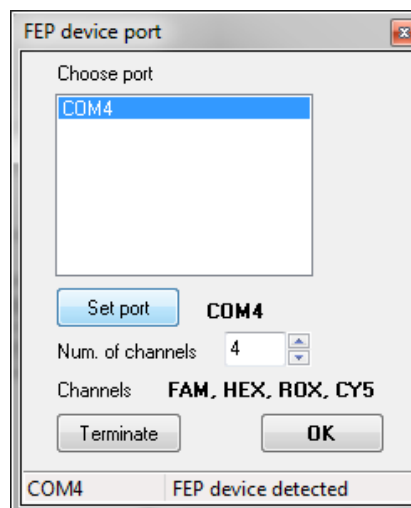
Connection settings between PC and ALA-1/4

1. Before running the program it is recommended to check connection settings
 - 1.1 Connect unit to the PC with a USB cable
 - 1.2 Connect unit to the power supply
 - 1.3 Switch on the Power switch on the rear of the unit
2. Open the program NASBA DRV  by double clicking mouse on the program icon in the task bar.
3. Options window for the ALA 1/4 unit



4. Press Set Port, if FEP device detected will show on the bottom of the window, your ALA-1/4 is successfully connected to the PC, if not, then try any other available ports.

Parameters	ALA-1/4 settings
Serial port	Virtual (COM from 3 to7)
Number of channels	4 (FAM, HEX, ROX, CY5)



5. After parameters have been set click **OK** to close “Serial Port Setup” window and press **OK** button



Note: Software will not work if NASBA DRV  is closed!

Before measuring

1. After successful installation of software and driver, setting of connection of unit with computer check connection with computer through USB cable.
2. Switch on the unit on the rear side of the unit. After switching on the display readouts are following: ALA_1 V 4.0



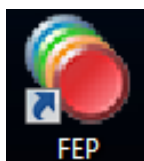
Note: Before detection the unit must be warmed for 15 min after switching on.

Note: If the unit was not used for more than 7 days, it must be warmed for 8 hours.

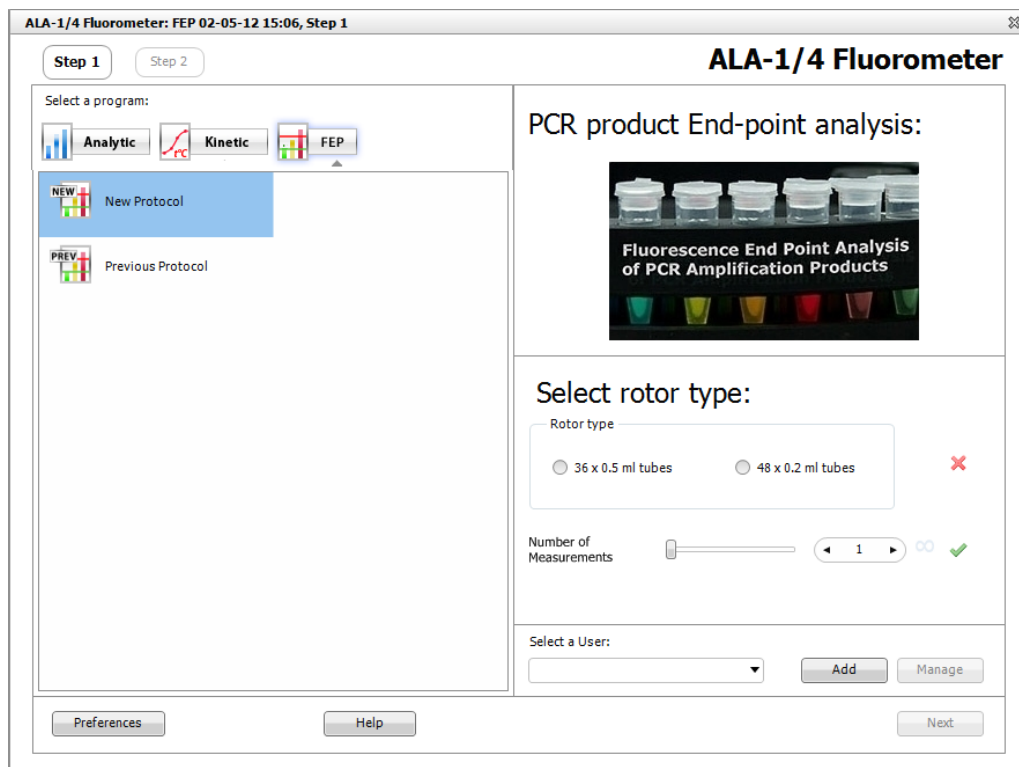
3. Test measurement must be performed for reliable connection evaluation between unit and computer. It can be performed with prearranged test measurement tubes, empty tubes, or even with the empty rotor. It
4. Before the measurement read carefully point User's manual, then set the measurement and sample parameters according to the given instructions.
5. Check the Fluorometer status in the left lower part of the program window, the status must be: **Connected**
If status is **Not Connected** — there are some problems in communication between PC and external unit, see **Software Installation** (page 1).

Software Operation Manual: End-point analysis of PCR products (FEP)

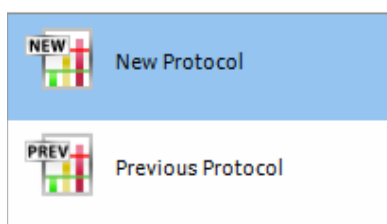
1. Turn on the ALA-1/4, check the connection between the computer and the ALA-1/4, and launch “FEP” program



2. The **Step 1** window: Setting Measurements parameters will appear



3. Chose **New Run** from the program list



4. Then select the rotor type

Select rotor type:

Rotor type

☐ 36 x 0.5 ml tubes ☐ 48 x 0.2 ml tubes



Select rotor type:

Rotor type

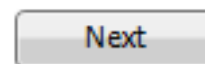
☐ 36 x 0.5 ml tubes ☒ 48 x 0.2 ml tubes



5. Optionally you can set number of measurements (we advise to put at least 2)



6. After all the parameters are set click **Next** button to go to Step 2: Setting Samples



7. In the **Step 2 “Samples window”** fill in samples name, test and type.

Not Filled

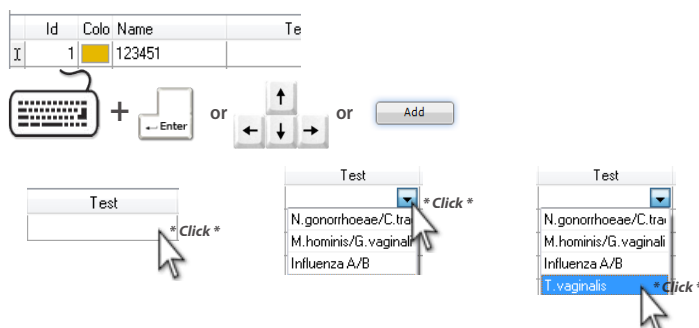
The screenshot shows the 'Fluorescence End-Point Analysis' window at Step 2. The 'Name' field is empty, and the 'Test' dropdown is set to 'Unknown'. Below the form is a table with 7 rows, all of which have 'Unknown' in the 'Test' column.

Id	Colo Name	Test	Type	FAM	HEX	ROX	CY-5
1		Unknown					
2		Unknown					
3		Unknown					
4		Unknown					
5		Unknown					
6		Unknown					
7		Unknown					

Adding multiple samples:

Type in the Name or select Test field, press Add button.

The 'Name' field contains the text 'sample' and the 'Test' dropdown is set to 'Influenza A/B'.



Adding a single sample

By selecting and typing in sample's name, selecting the needed test and giving type of the sample (by default type is "Sample")

Deleting sample/multiple samples:

1. By holding down left mouse button and moving it across the fields you want to select, then pressing **Delete** button.
2. Pressing **Discard All Setting** button.
Note: this command will delete all added samples information.

Filled

The screenshot shows the 'Fluorescence End-Point Analysis' window at Step 2. The 'Name' field is filled with 'Sample', and the 'Test' dropdown is set to 'T.vaginalis'. Below the form is a table with 10 rows. The first 9 rows have 'Sample' in the 'Test' column, and the 10th row has 'Background' in the 'Test' column.

Id	Colo Name	Test	Type	FAM	HEX	ROX	CY-5
1	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
2	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
3	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
4	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
5	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
6	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
7	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
8	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
9	Sample	T.vaginalis	Sample	T.vaginalis	Internal Control	...	...
10	Background	T.vaginalis	Background	T.vaginalis	Internal Control	...	...

Note: In order to proceed to measurement step, at least one background sample must be set!

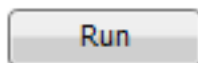
To save the protocol for future use press **Save Protocol** enter the name and press OK.

The 'Enter Preset Name' dialog box shows a text input field containing 'T.vaginalis 04-Apr-12' and an 'OK' button.

8. Place samples in the rotor

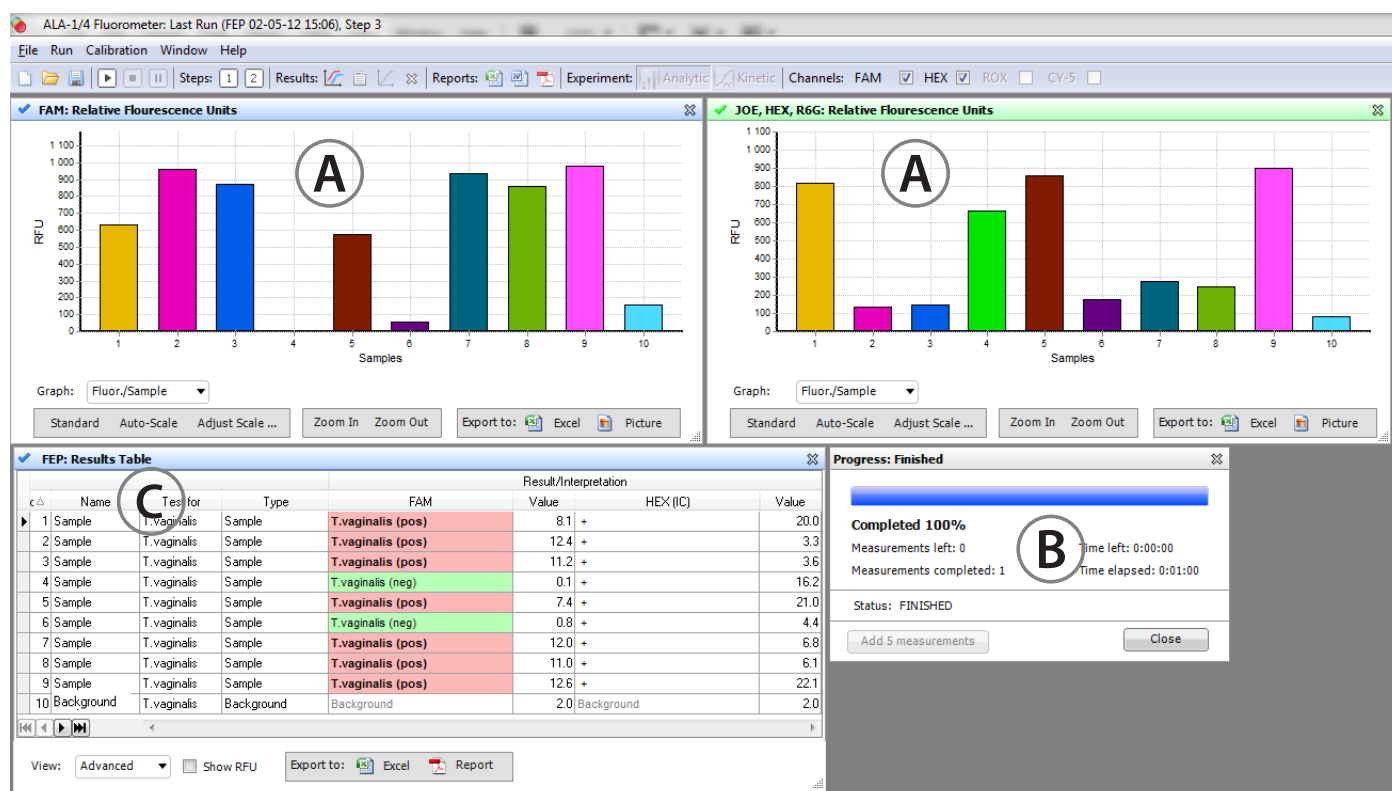


9. Close ALA-1/4 lid



10. Press **Run** to start measurement

Results will be ready in a couple of minutes (from 30 sec to 2 min):
Results can be viewed only after measurements



A. Fluorescence Signal on channels FAM and HEX

B. Progress window

C. Results window:

FEP: Results Table								
c	Name	Test for	Type	Result/Interpretation				
				FAM	Value	HEX (IC)	Value	
1	Sample	T.vaginalis	Sample	T.vaginalis (pos)	8.1	+	20.0	
2	Sample	T.vaginalis	Sample	T.vaginalis (pos)	12.4	+	3.3	
3	Sample	T.vaginalis	Sample	T.vaginalis (pos)	11.2	+	3.6	
4	Sample	T.vaginalis	Sample	T.vaginalis (neg)	0.1	+	16.2	
5	Sample	T.vaginalis	Sample	T.vaginalis (pos)	7.4	+	21.0	
6	Sample	T.vaginalis	Sample	T.vaginalis (neg)	0.8	+	4.4	
7	Sample	T.vaginalis	Sample	T.vaginalis (pos)	12.0	+	6.8	
8	Sample	T.vaginalis	Sample	T.vaginalis (pos)	11.0	+	6.1	
9	Sample	T.vaginalis	Sample	T.vaginalis (pos)	12.6	+	22.1	
10	Background	T.vaginalis	Background	Background	2.0	Background	2.0	

View: **Advanced** ☐ Show RFU Export to: Excel Report

Saving the results:

10.1 In the program: press **Save button** in the toolbar 

10.2 Save as a PDF report: press **Report** button in the Results Table control panel or choose **PDF report** in the toolbar . The report can also be printed. When the button is clicked the report is automatically saved in FEP/Protocols folder



Results Table, Advanced View: FEP 02-05-12 15:06

Id	Name	Test for	Type	Result/ Interpretation			
				FAM	HEX	ROX	CY5
1	Sample	T.vaginalis	Sample	T.vaginalis (pos)	8.1 +	20	0
2	Sample	T.vaginalis	Sample	T.vaginalis (pos)	12.4 +	3.3	0
3	Sample	T.vaginalis	Sample	T.vaginalis (pos)	11.2 +	3.6	0
4	Sample	T.vaginalis	Sample	T.vaginalis (neg)	0.1 +	16.2	0
5	Sample	T.vaginalis	Sample	T.vaginalis (pos)	7.4 +	21	0
6	Sample	T.vaginalis	Sample	T.vaginalis (neg)	0.8 +	4.4	0
7	Sample	T.vaginalis	Sample	T.vaginalis (pos)	12 +	6.8	0
8	Sample	T.vaginalis	Sample	T.vaginalis (pos)	11 +	6.1	0
9	Sample	T.vaginalis	Sample	T.vaginalis (pos)	12.6 +	22.1	0
10	Sample	T.vaginalis	Background	Background	2	Background	2

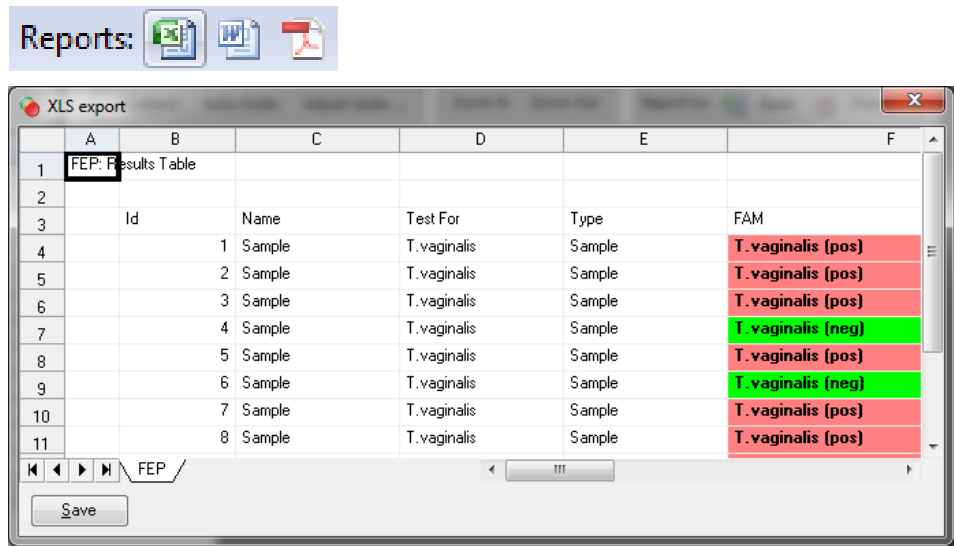
10.3 Electrophoresis image: Scroll down the report to the last page

Electrophoresis interpretation: FEP 17-08-12 14:45

Interpretation results:

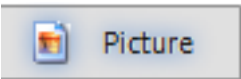
	neg	eq	pos + 0	pos + 1	pos + 2	pos + 3	pos + 4	pos + 5	pos + 6	pos + 7 and more
FAM										
HEX										
ROX										
CY5 (IC)										
Samples	s	s	s	s	s	s	s	s	s	s
FAM										
HEX										
ROX										
CY5 (IC)										
Samples	s	s	s	s	s	s	s	s	s	s
FAM										
HEX										
ROX										
CY5 (IC)										
Samples	s	s	s	s	s	s	s	s	s	s
FAM										
HEX										
ROX										
CY5 (IC)										
Samples	s	s	s	s	s	s	s	s	s	s

10.4 As Excel file: press **Excel** button in the Results table control panel or choose **Excel report** in the toolbar and click **Save**.



Note: you must have Microsoft Excel to save the results


10.5 As a JPG image: press **Picture** button in “Relative fluorescence units” window for the required channel and click **Save**.



11. After finishing using **ALA-1/4 fluorometer** close the software.

Software Operation Manual: How to add a test

ALA-1/4T Fluorometer:

Name: Add Save Delete  Create Test Protocol

Tests/Infections List:

Channel:

☐ FAM ☐ HEX ☐ ROX ☐ CY-5

Internal Control:

☐ ☐ ☐ ☐

Testing for:

Information about test, reagents, etc.:

Threshold and Internal Control:

FAM

T+ T- IC

HEX

T+ T- IC

ROX

T+ T- IC

CYS

T+ T- IC

Controls interpretation settings:

Name	Type	FAM	HEX	ROX	CY-5
<Enter New Control>					

+ - ✓

Test System Status: **Not Completed** HINT: Enable channels, Internal Control and Testing for Help Cancel OK

1. Type in Test's name

2. Press Add Button

Name: Add Save Delete  Create Test Protocol

Select the channels

Channel: Internal Control: Testing for: Information about test, reagents, etc.:

☐ FAM ☐ HEX ☐ ROX ☐ CY-5

☐ ☐ ☐ ☐

1. Select channels 2. Select which channel is for Internal Control 3. Select the testing for 4. Type in any information

Channel:

☒ FAM ☒ HEX ☒ ROX ☐ CY-5

Internal Control:

☐ ☐ ☒ ☐

Testing for:

Information about test, reagents, etc.:

Set the positive and negative threshold levels

Threshold and Internal Control:

FAM

T+

T-

IC

HEX

T+

T-

IC

ROX

T+

T-

IC

CY5

T+

T-

IC

1. Set the Positive (T+) and Negative (T-) Threshold values

2. Set the value for Internal Control (IC) threshold

Threshold and Internal Control:

FAM

T+

T-

IC

HEX

T+

T-

IC

ROX

T+

T-

IC

CY5

T+

T-

IC

Press Enter or button when finished entering the values

Set the controls (optional)

Controls interpretation settings:

Name	Type	FAM	HEX	ROX	CY-5
Enter new Control		---	---	---	---

1. Type in the control name

2. Type in the control type

3. Select the result for control

Controls interpretation settings:

Name	Type	FAM	HEX	ROX (IC)	CY-5
C+	Amplification	pos	pos	+	---
NCA	Amplification	nd	nd	-	---
C-	DNA extraction	neg	neg	+	---

HEX

pos

neg

nd

eq

ROX (IC)

+

-

Saves selected control

Deletes selected control

Adds new control

Save the test

Press Save or OK buttons

ALA-1/4T Fluorometer:

Name:

Tests/Infections List:

- C.trachomatis/Ureaplasma**
- Influenza A/B
- M.hominis/G.vaginalis
- N.gonorrhoeae/C.trach
- T.vaginalis/N.gonorrh
- T.vaginalis
- C.trachomatis
- G.vaginalis
- Influenza A
- Influenza B
- M.genitalium
- M.hominis
- N.gonorrhoeae
- Ureaplasma spp

Channel: ☒ FAM ☐ HEX ☒ ROX ☐ CY-5

Internal Control: ☐ ☐ ☒ ☐

Testing for:

Information about test, reagents, etc.:

Threshold and Internal Control:

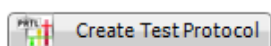
FAM		HEX		ROX		CY5	
T+	3.5	T+	3.5	T+		T+	
T-	3.0	T-	3.5	T-		T-	
IC		IC		IC	3.0	IC	

Controls interpretation settings:

Name	Type	FAM	HEX	ROX (IC)	CY-5
C+	Amplification	pos	pos	+	---
NCA	Amplification	nd	nd	-	---
C-	DNA extraction	neg	neg	+	---

Test System Status: **Completed**

Save your time



Press this button to make a template protocol of a selected test

ALA-1/4 Fluorometer: C.trachomatis/Ureaplasma, Step 1

Step 1 Step 2 Protocol: **Fluorescence End-Point Analysis**

Name: Test: Type:

ID	Color	Name	Test	Type	FAM	HEX	ROX	CY-5
1	Yellow	Background	C.trachomatis/Ureaplasma	Background	C.trachomatis	Ureaplasma spp	Internal Control	---
2	Pink	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
3	Blue	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
4	Green	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
5	Brown	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
6	Purple	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
7	Teal	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
8	Light Green	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
9	Pink	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
10	Light Blue	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
11	Light Green	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
12	Pink	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
13	Brown	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
14	Purple	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
15	Teal	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
16	Light Green	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
17	Brown	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
18	Purple	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
19	Teal	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
20	Light Green	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---
21	Pink	Unknown	C.trachomatis/Ureaplasma	Sample	C.trachomatis	Ureaplasma spp	Internal Control	---

RS-48 Rotor

Press this button to make to save this template protocol for future use

3.4.1-f — Adding/Saving/Deleting a test

Description:

Commands for Adding/Saving/Deleting a test

Name:

Empty

Name:

Filled

Name:

3.4.1.1-f — Test name field

Description:

Text field for naming tests or infections.

3.4.1.3-f — Delete test button

Description:

Button deletes selected test.

3.4.1.4-f — Save test changes button

Description:

Button saves changes made to an existing test.

3.4.1.2-f — Add new test button

Description:

Button adds a new test with name entered in 3.4.1.1-f — Test name field

New Test was added

Name:

Tests/Infections List:

Influenza B

Channel: ☐ FAM Inte: ☐

3.4.1.4-f — Create Test Protocol

Description:

Button creates a template in Step 2 for a test selected in Tests infections List.

3.4.2-f — Tests/Infections list

Description:

List of Tests/Infections available for testing.
Completed tests are indicated with Bold font

T. vaginalis/N.gonorrhoe

Not completed tests are indicated with regular font.

Not completed tests can be used as a test names for a MultiPlex test.

C.trachomatis
G.vaginalis

Tests/Infections List:

C.trachomatis/Ureaplas
Influenza A/B
M.hominis/G.vaginalis
N.gonorrhoeae/C.trach
T. vaginalis/N.gonorrhoe
T.vaginalis
C.trachomatis
G.vaginalis

3.4-f — Tests Editor Window

Description:
In this windows user Adds/Edits/Deletes Tests

Edit Test


Disca

Back

Save Protocol

Tests Database is empty

ALA-1/4T Fluorometer:

Name: Add Save Delete  Create Test Protocol

Tests/Infections List:

Channel:

☐ FAM
☐ HEX
☐ ROX
☐ CY-5

Internal Control:

☐
☐
☐
☐

Testing for:

Information about test, reagents, etc.:

Threshold and Internal Control:

FAM

T+

T-

IC

HEX

T+

T-

IC

ROX

T+

T-

IC

CYS

T+

T-

IC

Controls interpretation settings:


Name	Type	FAM	HEX	ROX	CY-5
<Enter New Control>					

Test System Status: **Not Completed** HINT: Enable channels, Internal Control and Testing for

Help Cancel OK

Tests database is filled with 6 tests.

ALA-1/4T Fluorometer:

Name: C.trachomatis/Ureaplasma Add Save Delete  Create Test Protocol

Tests/Infections List:

C.trachomatis/Ureaplasma

Influenza A/B

M.hominis/G.vaginalis

N.gonorrhoeae/C.trach

T.vaginalis/N.gonorrhoe

T.vaginalis

C.trachomatis

G.vaginalis

Influenza A

Influenza B

M.genitalium

M.hominis

N.gonorrhoeae

Ureaplasma spp

Channel:

☒ FAM
☒ HEX
☒ ROX
☐ CY-5

Internal Control:

☐
☐
☒
☐

Testing for:

C.trachomatis

Ureaplasma spp

Internal Control

Information about test, reagents, etc.:

Threshold and Internal Control:

FAM

T+ 3.5

T- 3.0

IC

HEX

T+ 3.5

T- 3.5

IC

ROX

T+

T-

IC 3.0

CYS

T+

T-

IC

Controls interpretation settings:

Name	Type	FAM	HEX	ROX (IC)	CY-5
C+	Amplification	pos	pos	+	---
NCA	Amplification	nd	nd	-	---
C-	DNA extraction	neg	neg	+	---

Test System Status: **Completed**

Help Cancel OK

3.4.3-f — Channel Options

Description:
Setting the measurement channels.
If a channel is going to be used as Internal Control (if needed).
What illness is going to be tested on a channel.

Not completed

Channel:	Internal Control:	Testing for:
<input type="checkbox"/> FAM	<input type="radio"/>	<div></div>
<input type="checkbox"/> HEX	<input type="radio"/>	<div></div>
<input type="checkbox"/> ROX	<input type="radio"/>	<div></div>
<input type="checkbox"/> CY-5	<input type="radio"/>	<div></div>

Completed

Channel:	Internal Control:	Testing for:
<input checked="" type="checkbox"/> FAM	<input type="radio"/>	<div>C.trachomatis</div>
<input checked="" type="checkbox"/> HEX	<input type="radio"/>	<div>Ureaplasma spp</div>
<input checked="" type="checkbox"/> ROX	<input checked="" type="radio"/>	<div>Internal Control</div>
<input type="checkbox"/> CY-5	<input type="radio"/>	<div></div>

3.4.3.1-f — Channel Selection

Description:
User sets the channels on which measurements are going to be performed

Not set	Set
Channel:	Channel:
<input type="checkbox"/> FAM	<input checked="" type="checkbox"/> FAM
<input type="checkbox"/> HEX	<input checked="" type="checkbox"/> HEX
<input type="checkbox"/> ROX	<input checked="" type="checkbox"/> ROX
<input type="checkbox"/> CY-5	<input type="checkbox"/> CY-5

3.4.3.2-f — Internal Control Channel

Description:
User sets the internal control channel if needed

Not set	Set
Internal Control:	Internal Control
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input type="radio"/>

3.4.3.3-f — Test Selection

Not set	Set
Testing for:	Testing for:
<div></div>	<div>C.trachomatis</div>
<div></div>	<div>Ureaplasma spp</div>
<div></div>	<div>Internal Control</div>
<div></div>	<div></div>

Description:
User selects which test from 3.4.2-f — Tests/Infections list to be performed on a specific channel

Tests/Infections List:

C.trachomatis/Ureaplas
Influenza A/B
M.hominis/G.vaginalis
N.gonorrhoeae/C.trach

→

C.trachomatis

M.hominis

G.vaginalis

T.vaginalis

Influenza A

Influenza B

C.trachomatis

M.genitalium

N.gonorrhoeae

3.4.4-f — Information Window

Description:
User can type in any information about tests, reagents used, etc.

Information about test, reagents, etc.:

3.4.4-f — Threshold and Internal Control Parameters

Description:

User sets the coefficients provided in reagents manual for specific channels.

If the channel is used for Internal Control, then

IC 1 threshold level is available.

If the channel is used for infections T+

T- 2 threshold levels are available.

Not set

Threshold and Internal Control:

FAM	HEX	ROX	CYS
T+ <input type="text"/>	T+ <input type="text"/>	T+ <input type="text"/>	T+ <input type="text"/>
T- <input type="text"/>	T- <input type="text"/>	T- <input type="text"/>	T- <input type="text"/>
IC <input type="text"/>	IC <input type="text"/>	IC <input type="text"/>	IC <input type="text"/>

Set

Threshold and Internal Control:

FAM	HEX	ROX	CYS
T+ <input type="text" value="3.5"/>	T+ <input type="text" value="3.5"/>	T+ <input type="text"/>	T+ <input type="text"/>
T- <input type="text" value="3.0"/>	T- <input type="text" value="3.5"/>	T- <input type="text"/>	T- <input type="text"/>
IC <input type="text"/>	IC <input type="text"/>	IC <input type="text" value="3.0"/>	IC <input type="text"/>

IC

3.4.4.1-f — Internal Control
Threshold level (IC)

Description:

Internal Control Threshold level

T+

3.4.4.2-f — Positive Threshold value

Description:

Positive Threshold level for Two
Threshold levels' tests

T+

T-

3.4.4.3-f — Negative Threshold value

Description:

Negative Threshold level for Two
Threshold levels' tests

3.4.5-f — Controls settings table

Description:

Adds controls supplied with parameters taken from reagent's manual.

Empty Control's table

Name	Type	FAM	HEX	ROX	CY-5
▶ Enter new Control		---	---	---	---

Filled Control's table

Name	Type	FAM	HEX	ROX (IC)	CY-5
▶ C+	Amplification	pos	pos	+	---
NCA	Amplification	nd	nd	-	---
C-	DNA extraction	neg	neg	+	---

Default controls list

Name
▶ C-
PCE
C+
NCA
LS3

Entering a control

I C+A

3.4.5.1-f — Control's name field

Description:

User sets the name of the standards

Default controls type

Type
DNA isolation
DNA isolation
Amplification
Amplification
Amplification

3.4.5.2-f — Control's type field

Description:

Enter the type of the standards via keyboard

Default table

FAM	HEX	ROX	CY-5
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---

Entering standard

FAM	HEX
pos	pos
nd	nd
neg	neg

3.4.5.3-f — Threshold value for controls for each channel

Description:

User sets the value for thresholds:

"+ / -" values for 3.4.4.1-f — Internal Control Threshold level (IC) (page 18) (FAM in example above).

"pos/neg/eq/nd" values for 3.4.4.2-f — Positive Threshold value (page 18) (CY-5 in example above).

Controls with value "----" means that value is not set or channel is not used.

Entering threshold value

FAM (IC)	CY-5
-	neg
---	---
+	pos
-	neg
-	nd
-	eq